

10239000 BEAVER RIVER AT ROCKY FORD DAM, NEAR MINERSVILLE, UT

LOCATION.--Lat 38°13'03", long 112°50'22", in SE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec. 11, T. 30 S., R. 9 W., Beaver County, Hydrologic Unit 16030007, on right bank, 0.5 mi downstream from Rocky Ford Dam, and 4.8 mi east of Minersville.

DRAINAGE AREA.--535 mi<sup>2</sup>.

PERIOD OF RECORD.--December 1913 to September 1936, April 1937 to current year.

REVISED RECORDS.--WSP 1564: 1920, 1924. WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder. Concrete control since November 12, 1916. Elevation of gage is 5,400 ft above NGVD of 1929, from topographic map. Prior to June 1, 1916, at site 1,500 ft upstream at different datum.

REMARKS.-- Records good. One small diversion between dam and station. Flow regulated by Minersville Reservoir (prior to 1968 published as Rockyford Reservoir). Numerous diversions for irrigation and municipal use upstream from reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,220 ft<sup>3</sup>/s, Jun 12, 1983, gage height, 4.74 ft, from rating curve extended above 600 ft<sup>3</sup>/s on basis of slope-area measurement of peak flow; minimum daily discharge, 1.3 ft<sup>3</sup>/s, Oct 24, 1914.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 60 ft<sup>3</sup>/s, Jun 1, gage height, 1.32 ft; minimum daily discharge, 2.2 ft<sup>3</sup>/s, Sep 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	3.9	3.3	3.5	4.0	5.0	6.2	52	58	38	22	17
2	3.4	3.8	3.3	3.7	3.8	5.1	6.2	52	57	38	22	16
3	3.3	3.7	3.4	3.3	3.8	5.0	6.4	43	49	33	22	18
4	3.6	3.7	3.4	3.3	3.9	5.0	6.6	43	34	35	23	18
5	3.6	3.6	3.3	3.3	4.0	4.9	6.7	43	26	38	25	14
6	3.3	3.3	3.3	3.3	4.0	5.0	6.7	49	21	42	25	13
7	3.3	3.5	3.5	3.4	4.0	4.9	6.7	49	20	41	29	9.7
8	3.3	3.7	3.5	3.7	4.1	5.0	6.7	53	28	37	34	13
9	3.3	3.7	3.5	3.7	4.4	4.9	6.7	49	28	40	34	14
10	3.3	3.7	3.7	3.7	4.4	4.9	6.7	51	19	35	33	8.8
11	3.3	3.5	3.7	3.7	4.1	5.0	6.7	53	23	30	33	4.0
12	3.4	3.4	3.5	3.8	4.0	5.1	6.8	52	27	27	33	10
13	3.3	3.5	3.3	4.0	4.0	5.4	16	51	25	26	33	12
14	3.3	3.3	3.3	4.0	4.2	5.8	19	51	25	28	32	8.0
15	3.3	3.3	3.3	4.0	4.2	5.8	16	45	25	24	26	7.4
16	3.3	3.3	3.3	4.0	4.4	5.8	11	44	25	20	22	9.1
17	3.3	3.3	3.3	4.0	4.4	5.8	19	48	33	28	23	6.1
18	3.3	3.3	3.3	4.0	4.5	5.8	19	48	36	31	23	2.9
19	3.3	3.3	3.3	4.0	4.9	5.8	19	48	41	26	23	2.4
20	3.3	3.3	3.5	4.0	4.9	5.8	19	48	37	23	24	2.8
21	3.3	3.3	3.7	4.0	4.9	5.8	20	48	35	23	24	2.5
22	3.3	3.3	3.7	4.0	4.9	5.8	22	48	35	23	27	2.7
23	3.3	3.3	3.7	4.0	4.9	5.8	34	41	35	23	22	2.3
24	3.3	3.5	3.4	4.0	5.0	5.8	41	45	35	24	18	2.2
25	3.3	3.8	3.3	4.0	5.0	6.1	42	48	36	22	18	2.8
26	3.4	3.7	3.3	4.0	5.1	6.2	41	54	37	20	21	2.6
27	3.7	3.7	3.3	4.0	4.9	6.2	38	56	42	21	25	2.6
28	3.7	3.7	3.3	4.2	4.9	6.5	38	56	42	21	20	2.7
29	3.7	3.7	3.5	4.1	---	6.7	30	56	41	20	13	3.1
30	3.8	3.7	3.4	4.0	---	6.7	33	51	38	20	9.3	3.0
31	4.0	---	3.3	4.0	---	6.4	---	45	---	23	13	---
TOTAL	105.8	105.8	105.9	118.7	123.6	173.8	556.1	1520	1013	880	751.3	232.7
MEAN	3.413	3.527	3.416	3.829	4.414	5.606	18.54	49.03	33.77	28.39	24.24	7.757
MAX	4.0	3.9	3.7	4.2	5.1	6.7	42	56	58	42	34	18
MIN	3.3	3.3	3.3	3.3	3.8	4.9	6.2	41	19	20	9.3	2.2
AC-FT	210	210	210	235	245	345	1100	3010	2010	1750	1490	462

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-36, 1938-2002, BY WATER YEAR (WY)

	1915-36	1938-2002	1915-36	1938-2002
MEAN	12.23	10.22	11.02	11.77
MAX	57.8	51.8	97.8	121
(WY)	1938	1984	1942	1984
MIN	2.85	3.19	2.67	2.95
(WY)	1977	1978	1978	1978

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1915-36, 1938-2002

ANNUAL TOTAL	6698.8	5686.7		
ANNUAL MEAN	18.35	15.58		
HIGHEST ANNUAL MEAN			40.39	
LOWEST ANNUAL MEAN			12.6	1960
HIGHEST DAILY MEAN	75	Jun 19	1210	Jun 20 1983
LOWEST DAILY MEAN	3.3	Sep 23	1.3	Oct 24 1914
ANNUAL SEVEN-DAY MINIMUM	3.3	Oct 13	2.5	Sep 19
ANNUAL RUNOFF (AC-FT)	13290	11280	29260	
10 PERCENT EXCEEDS	56	42	102	
50 PERCENT EXCEEDS	6.2	5.8	14	
90 PERCENT EXCEEDS	3.3	3.3	4.4	